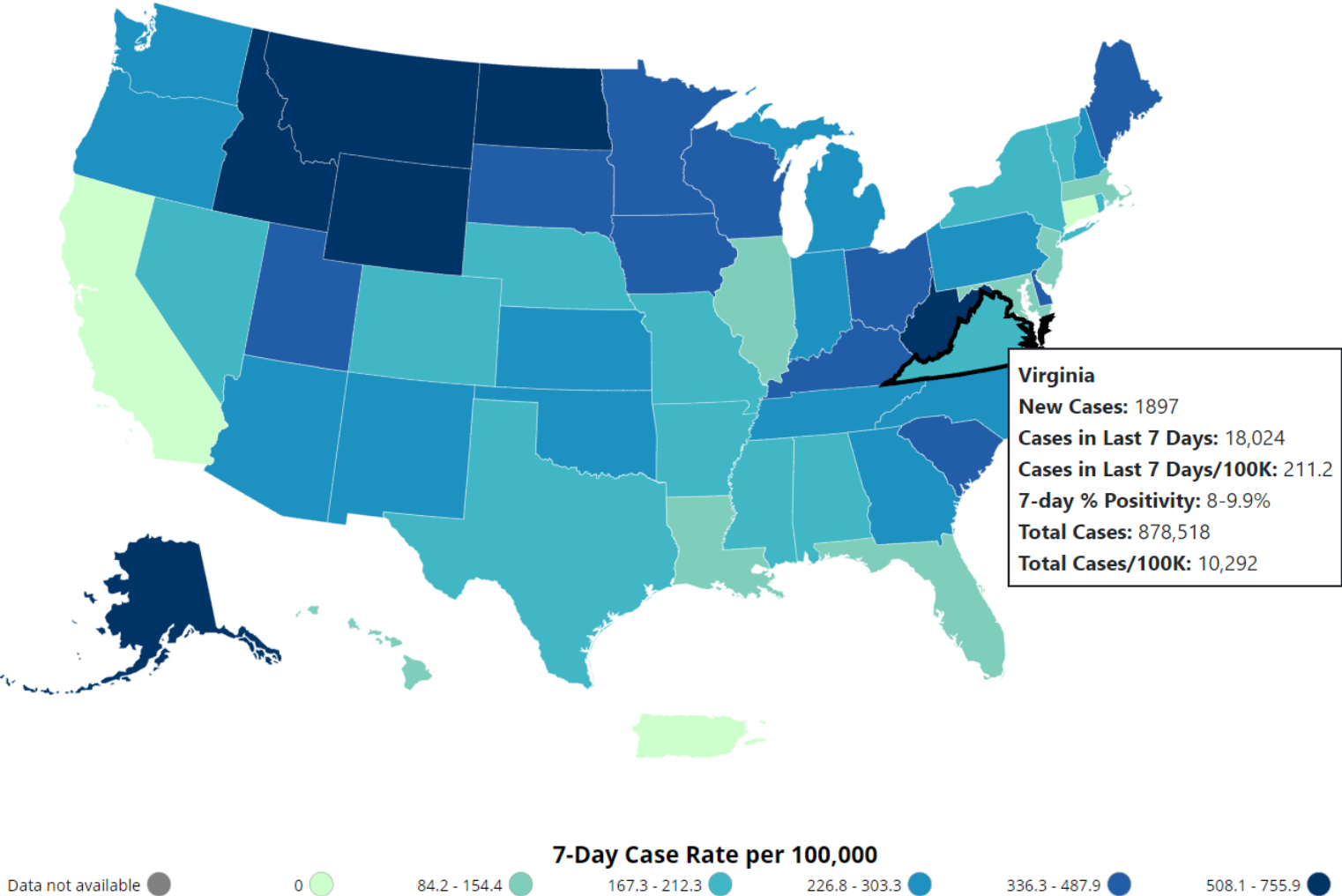

Virginia COVID-19 Surveillance Data Update

October 7, 2021



US COVID-19 7-Day Case Rate per 100,000



	Cases in the Last 7 Days Per 100k Population
Virginia	211.2 (-14.3%)
U.S.	206.4 (-11.1%)
Alaska	828.5 (-32%)
Montana	579.4 (-32.3%)
North Dakota	570.6 (-5.8%)

Our Neighbors

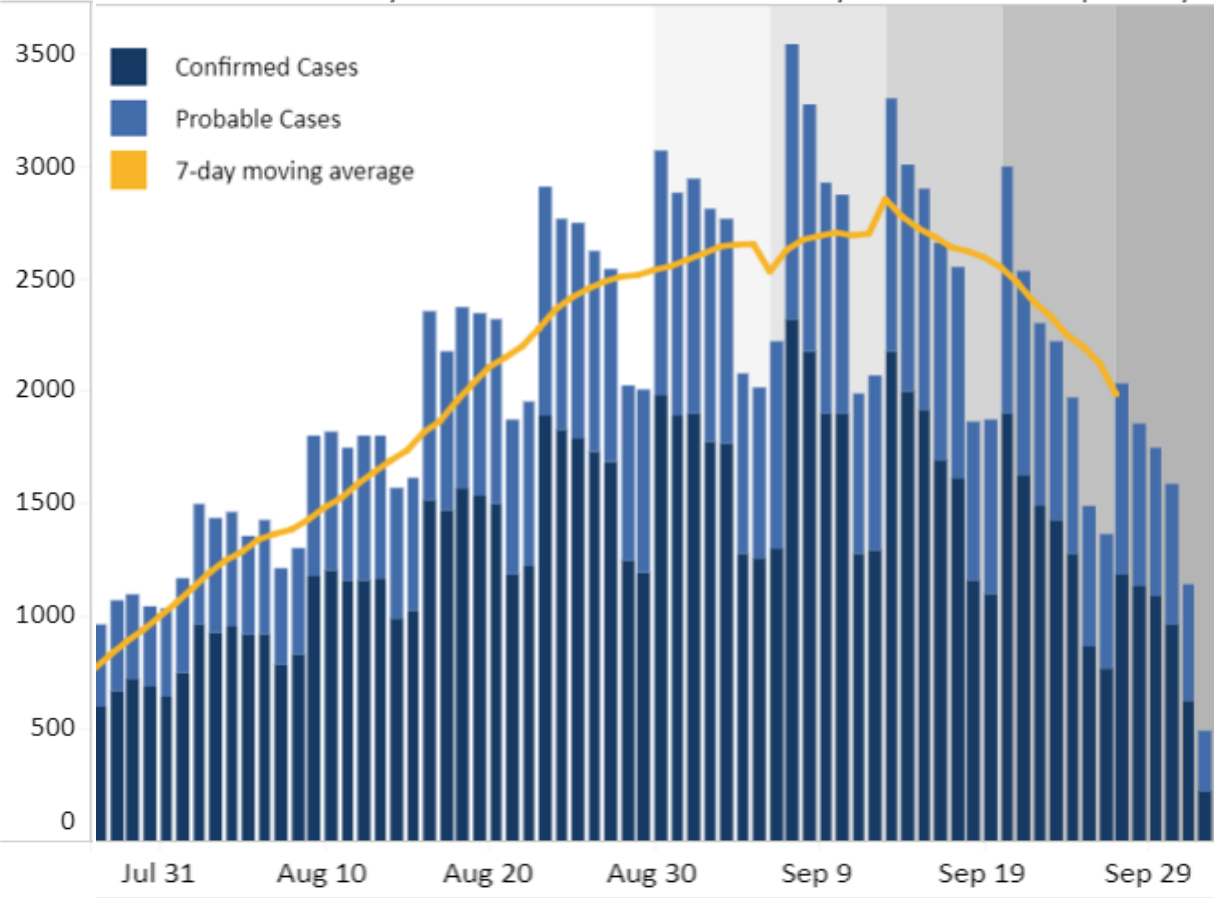
Rates Higher than Virginia

West Virginia, **495.6** (-27.4%)
Kentucky, **348.3** (-30%)
North Carolina, **273.4** (+3.6%)
Tennessee, **235.5** (-39.8%)

Rates Lower than Virginia:

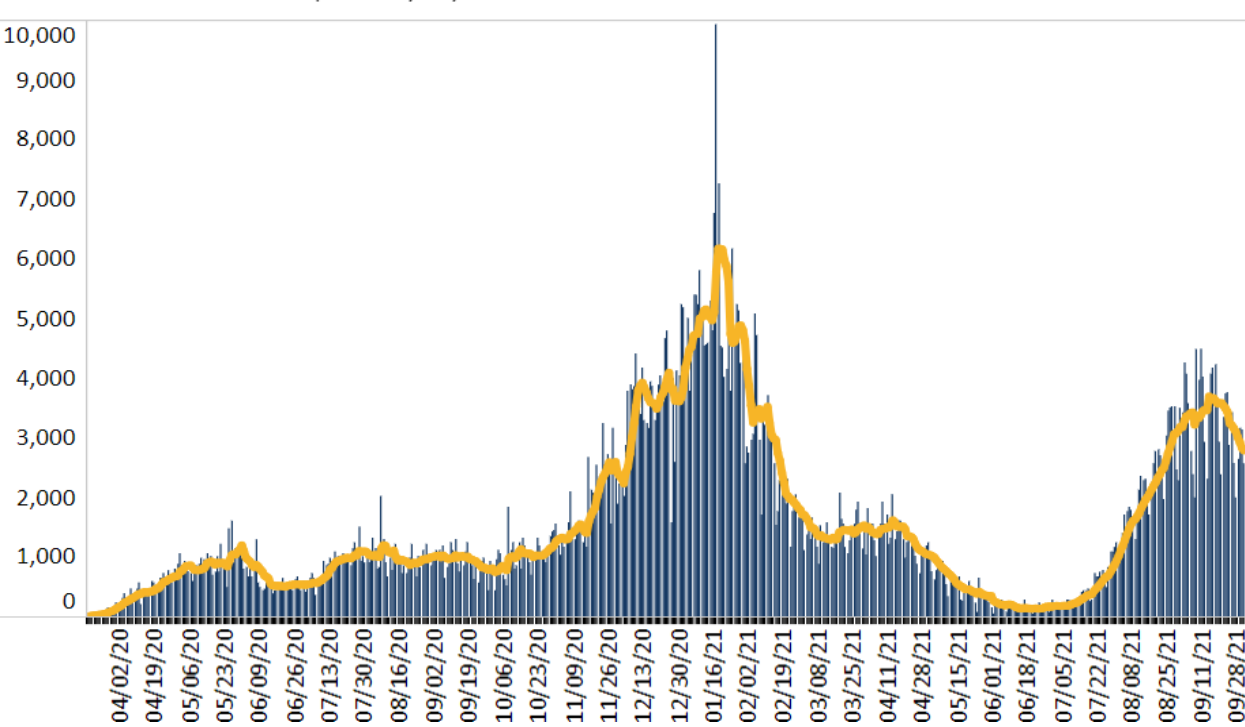
District of Columbia, **144.4** (-15.7%)
Maryland, **136.3** (-3.3%)

Cases by Date of Symptom Onset, last 60 days

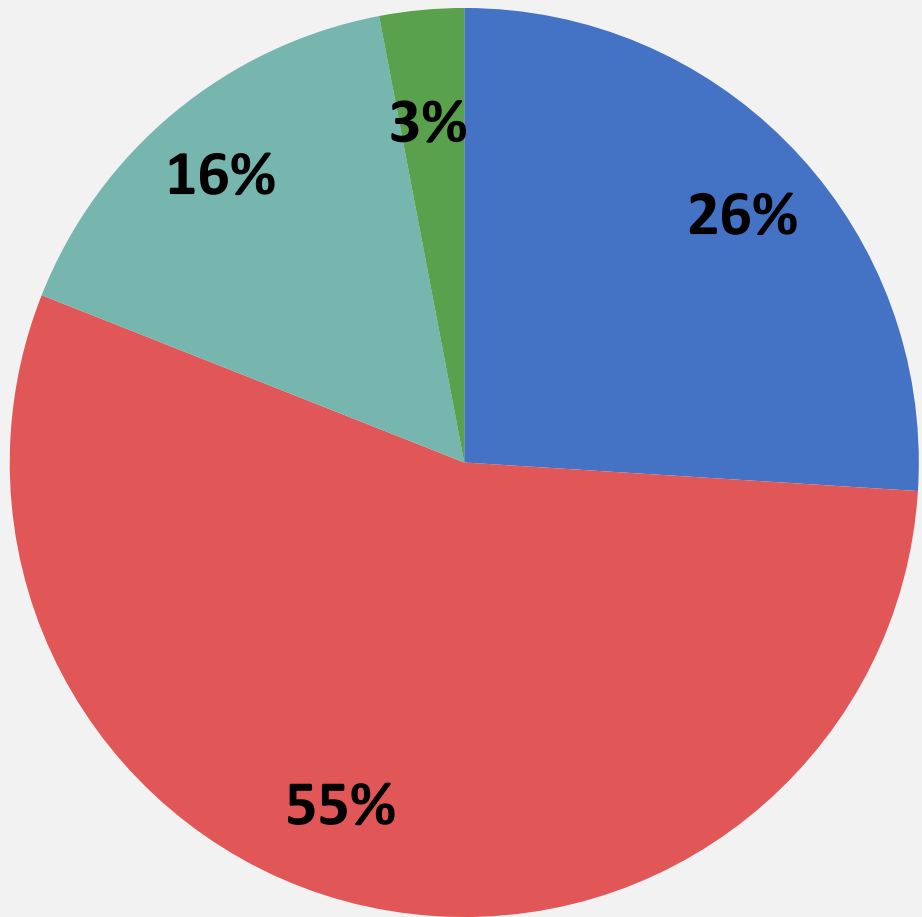


Gray shaded area illness may not have been reported yet

Cases, All Reporting Timeline



Source: [Cases – Coronavirus \(virginia.gov\)](#), [Cases and Deaths - Coronavirus \(virginia.gov\)](#), [VHHA](#)

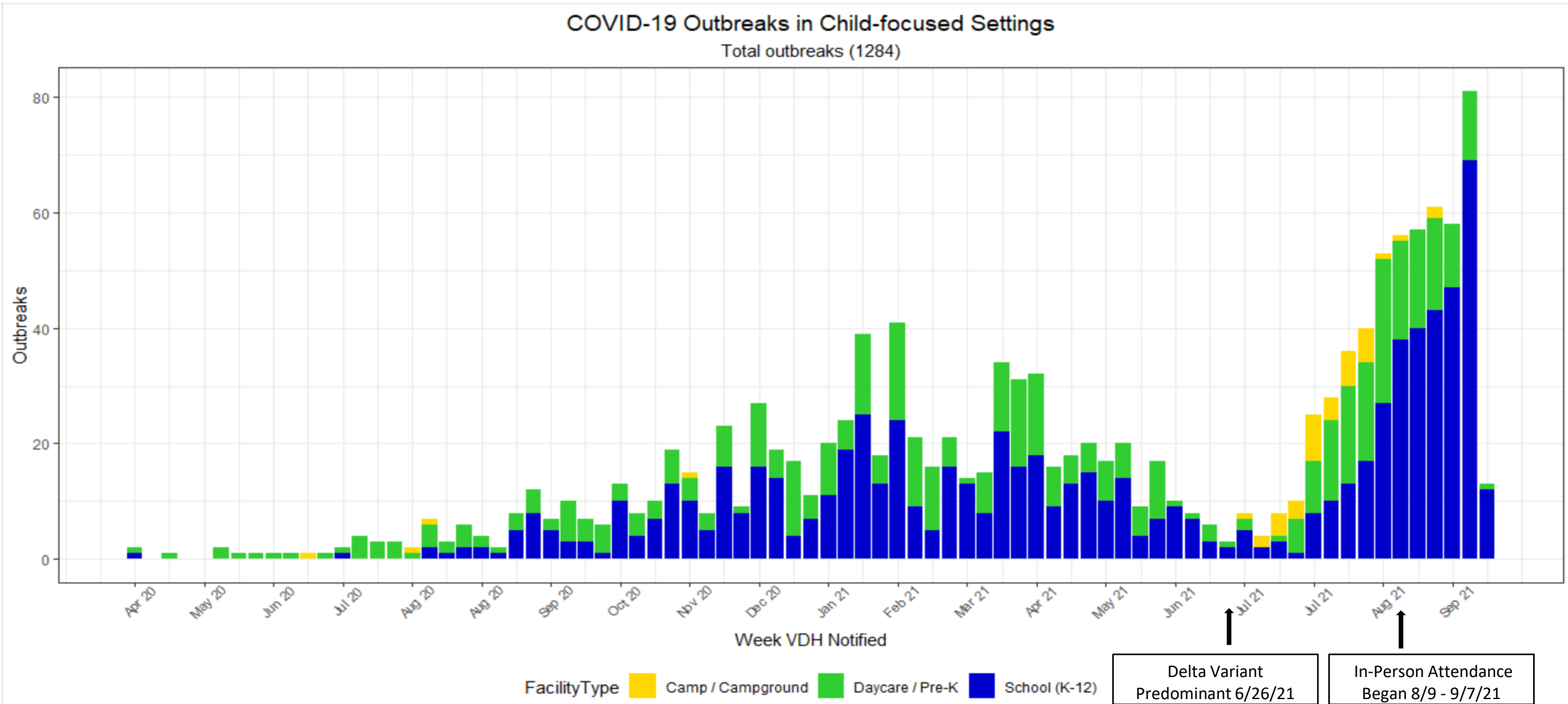


55% of outbreaks are related to facilities where children congregate

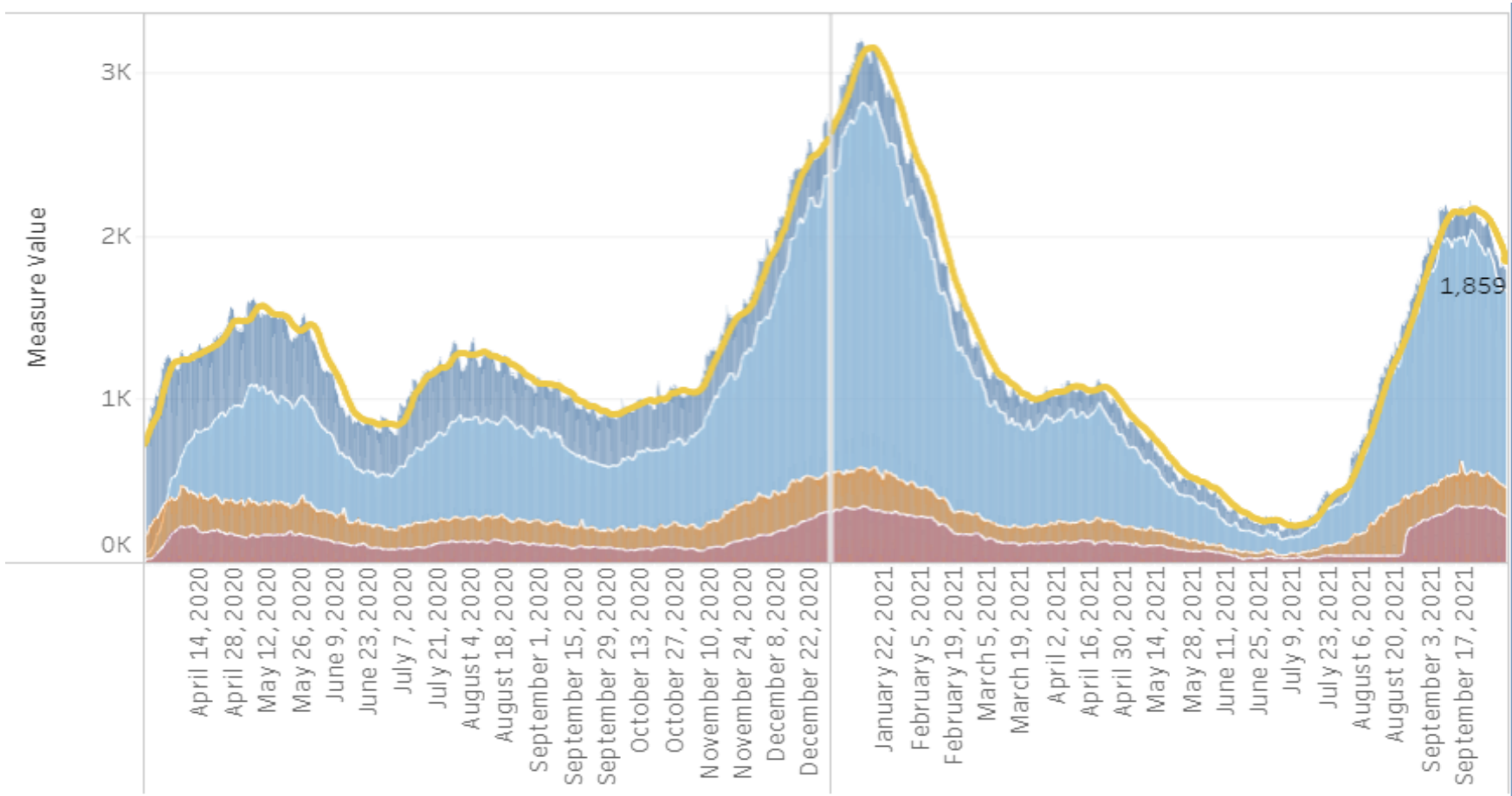
K-12 Schools and school sports teams account for the highest proportion of COVID-19 outbreaks by facility type

■ Business/Workplace ■ Child Related ■ LTC ■ Place of Worship

*Data 5/1/2021 – 10/2/2021, Data includes Confirmed and Suspected outbreaks



Preliminary data; Data source: VOSS Outbreak Datamart; data as of 2021-10-05



1,859
7-day Average Current
Hospitalizations

-11.2%
% Change in 7-day
Average

-41.0%
% Change from peak 7-
day Average (Jan 2021)

ICU Hospitalizations
January 14, 2021 Peak
583
September 16, 2021 Peak
544

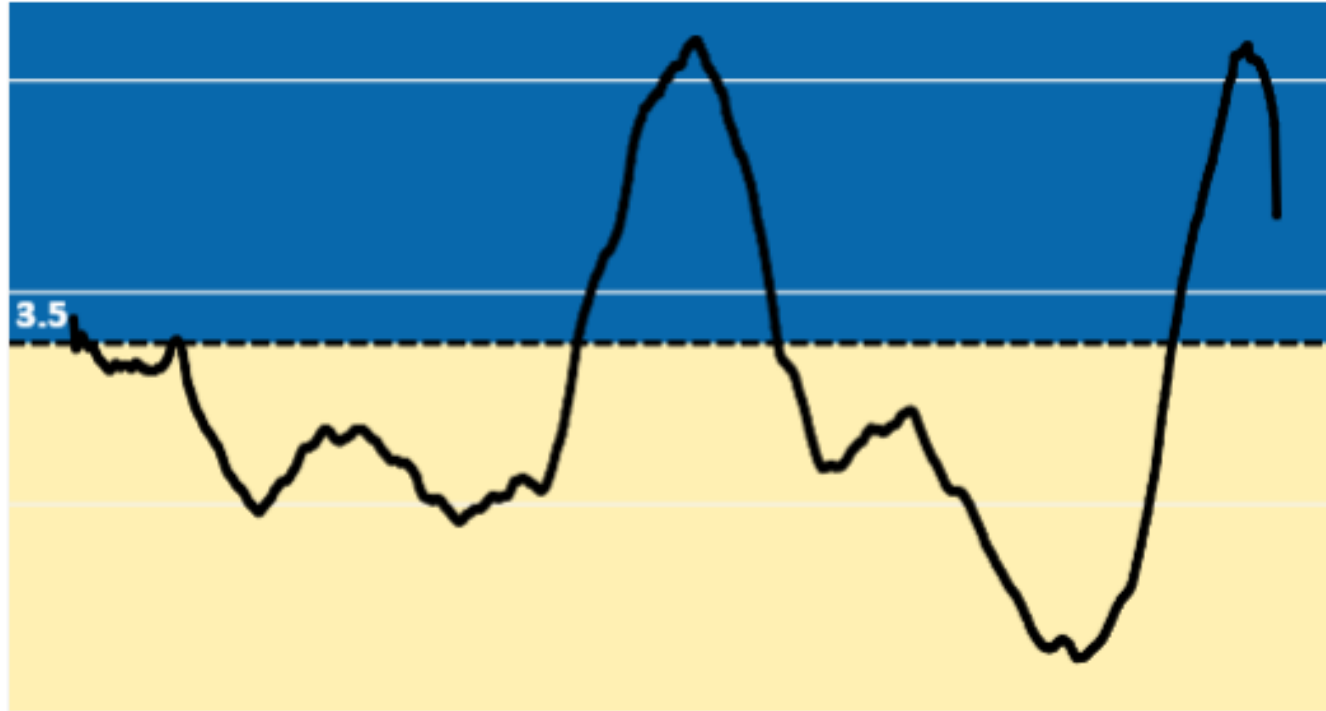
Ventilator Support
January 14, 2021, Peak
350
September 16, 2021, Peak
351

- Confirmed COVID-19 Patients Currently on Ventilator Support*
- ICU Hospitalizations (Confirmed + Pending)
- CONFIRMED Hospitalizations
- Total Current COVID Hospitalizations (Confirmed + Pending)
- 7 Day Moving Average of COVID-19 Current Hospitalizations (Confirmed + Pending)

ICU HOSPITALIZATIONS

What is the rate of current confirmed COVID ICU hospitalizations per 100,000?

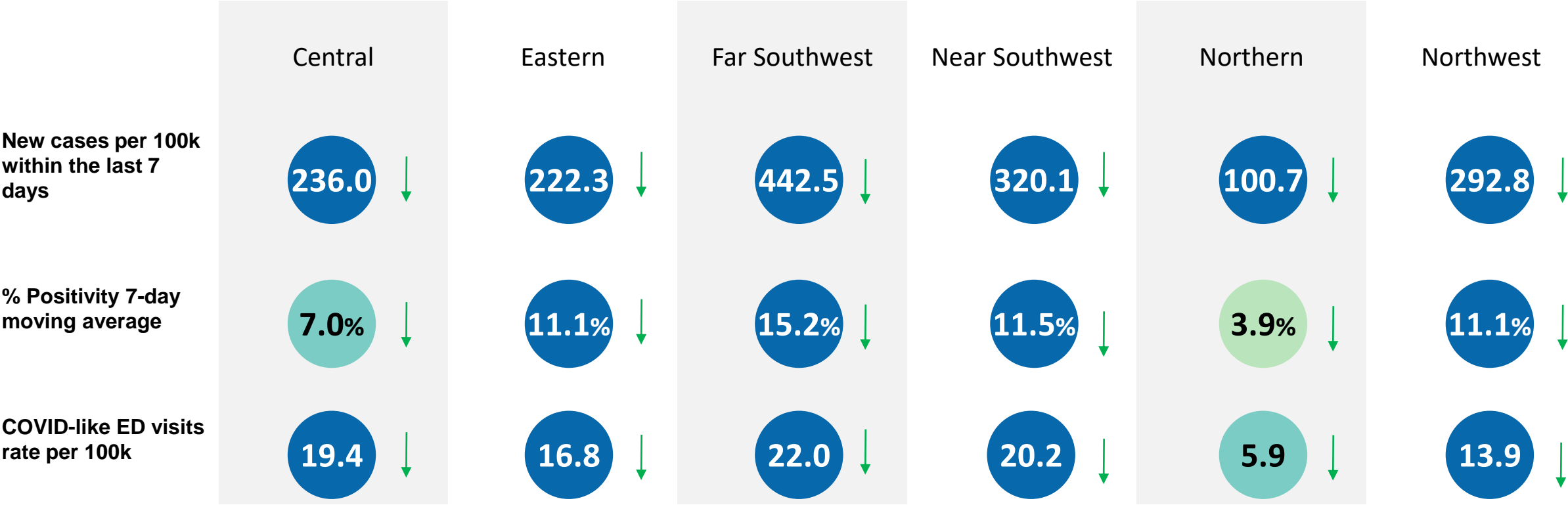
4.7



ICU hospitalizations have been decreasing for **14 days**. This exceeds the threshold of 14 days, so the number of ICU hospitalizations is considered to be **decreasing**.



Metrics date: 10/6/2021



Burden	Level 0	Level 1	Level 2	Level 3	Level 4
New Cases	<10	10-49		50-100	>100
% Positivity	<3	3-5	5-8	8-10	>10
CLI ED Visits	<4		4-5.9		≥6

Symbol	Trend
↑	Increasing
↓	Decreasing
○	Fluctuating

Source: [Region Metrics – Coronavirus](#)
Data represents a 7-day moving average, trends compared to 1 week ago

2 MMWR Studies: COVID-19 Outbreaks at Youth Summer Camps

At 9 independently run youth summer camps across the U.S. that required vaccination of staff, screening testing for staff and campers, maximized outdoor activities and adhered to masking and social distancing

- Out of 1,373 people who came from all over the country 38,059 rapid antigen tests were performed and only **9 infections** were identified for test positivity rate of **0.02%**

In Louisiana Youth Summer Camps where vaccines and indoor masking were recommended but not followed

- **28** camp related outbreaks reported **statewide** which included a total of **321 COVID-19 cases** out of 2,988 staff members and campers (**11%**)
- Out of the 321 cases, 56.0% of cases were in vaccine eligible yet unvaccinated staff members and campers, 43.3% of cases were in unvaccinated age ineligible campers, a **total of 99.3% of cases in unvaccinated staff members and campers**

Study Review of How Often Quarantined Contacts Become Cases

In a Florida school district, there was a COVID-19 outbreak of 257 confirmed infections in grades K-12

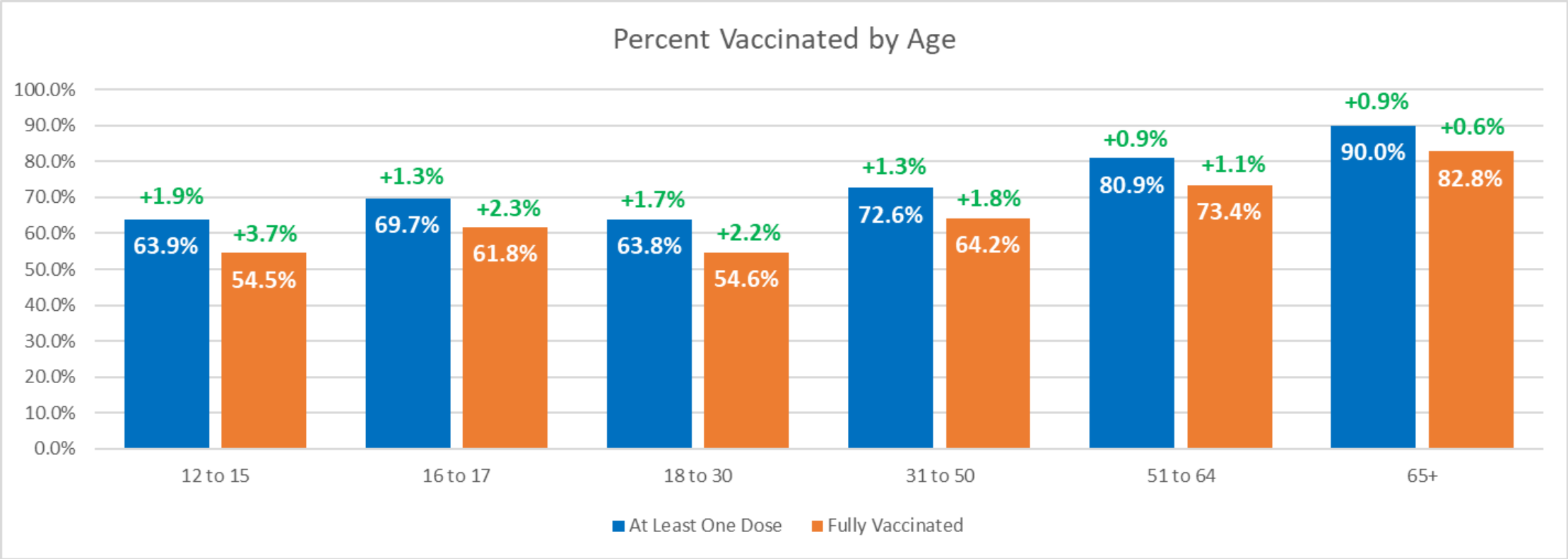
- 973 students were put in quarantine and agreed to study testing, during quarantine **54 students (5.5%)** tested positive for COVID-19

In a study conducted in Mexico, 19 Index COVID-19 patients close contacts (n=81) were evaluated for COVID-19 infection

- 34 (42%) of the close contacts in the study tested positive for COVID-19
- 29 (85%) of close contacts infected with COVID-19 were symptomatic and 5 (15%) were asymptomatic

In a study conducted in China, 4,950 COVID-19 close contacts were surveyed during a quarantine period

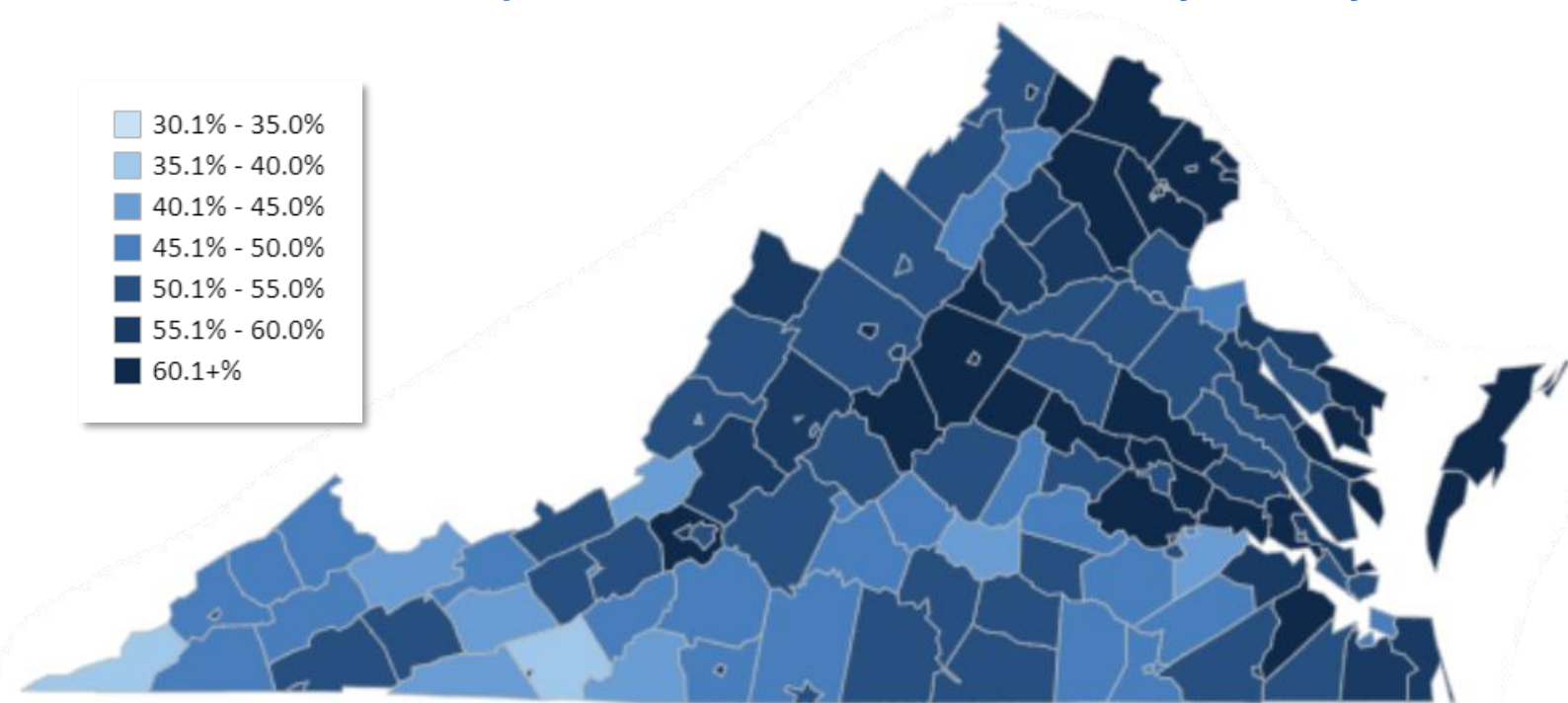
- 129 (**2.2%**) tested positive for infection, household close contacts were most likely to be infected (10.2%)



Virginia Vaccination by Age

- ✓ **80.9% (+2.9%)** of the Adult (18+) Population Vaccinated with at Least One Dose
- ✓ **70.3% (+2.3%)** of the Eligible (12+) Population Fully Vaccinated
- ✓ **90.0% (+1.1%)** of Virginians 65+ and **65.8% (+2.1%)** of 12 to 17 year olds have received at least one dose
- ✓ **60.1% (+2.0%)** of the Total Population has been Fully Vaccinated
- ✓ **20%** of Eligible Virginians have received their third dose
- Green percent represents percent increase from two weeks prior

Percent of the Total Population with at Least One Dose by Locality



First Dose Vaccination Rate by Region for Total Population

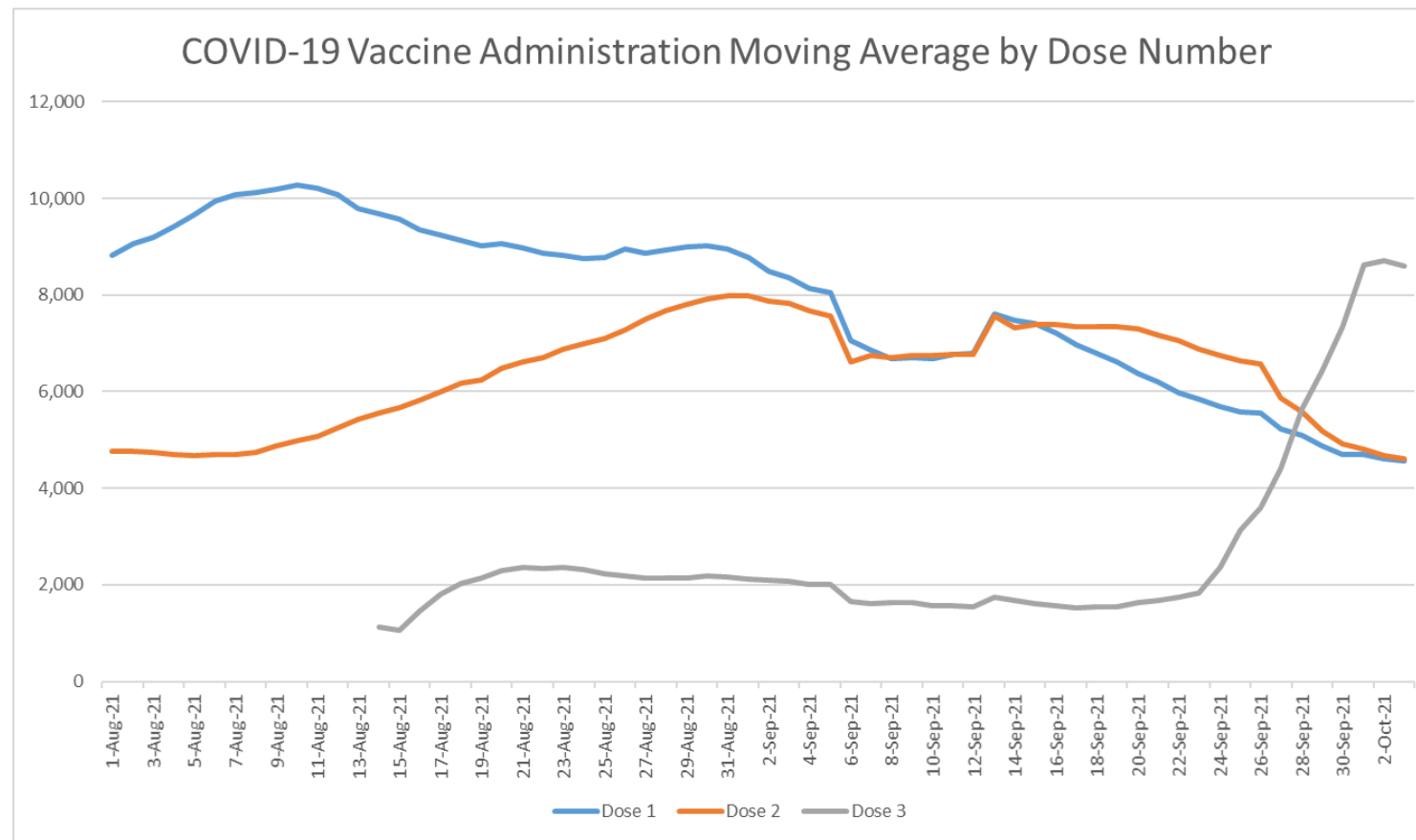
Region Name	1st Dose Vaccination	% Change 2 Weeks
Central	58.5%	+1.2%
Eastern	55.0%	+1.5%
Northern	67.8%	+0.8%
Northwest	56.6%	+1.2%
Southwest	50.6%	+1.2%

- 2 (-1 over 2 weeks) out of 133 Localities have a first dose vaccination rate below 40%
- 30 (+2 over 2 weeks) out of 133 Localities have a first dose vaccination rate above 60%
- There is a disparity across Urban and Rural areas by Age Groups, with Rural Adolescents the Lowest Vaccinated group

2013 SRHP Isserman Classification	12 to 15	16 to 17	18 to 30	31 to 50	51 to 64	65+	Grand Total
Mixed Rural	46.4%	54.7%	51.0%	57.8%	69.2%	82.9%	63.7%
Mixed Urban	64.2%	72.5%	66.6%	67.3%	78.7%	90.8%	73.7%
Rural	37.7%	45.3%	45.1%	51.6%	65.5%	78.8%	59.9%
Urban	66.7%	75.0%	58.2%	69.5%	78.7%	87.2%	71.6%
Grand Total	58.9%	67.0%	56.6%	65.0%	74.7%	85.1%	68.8%

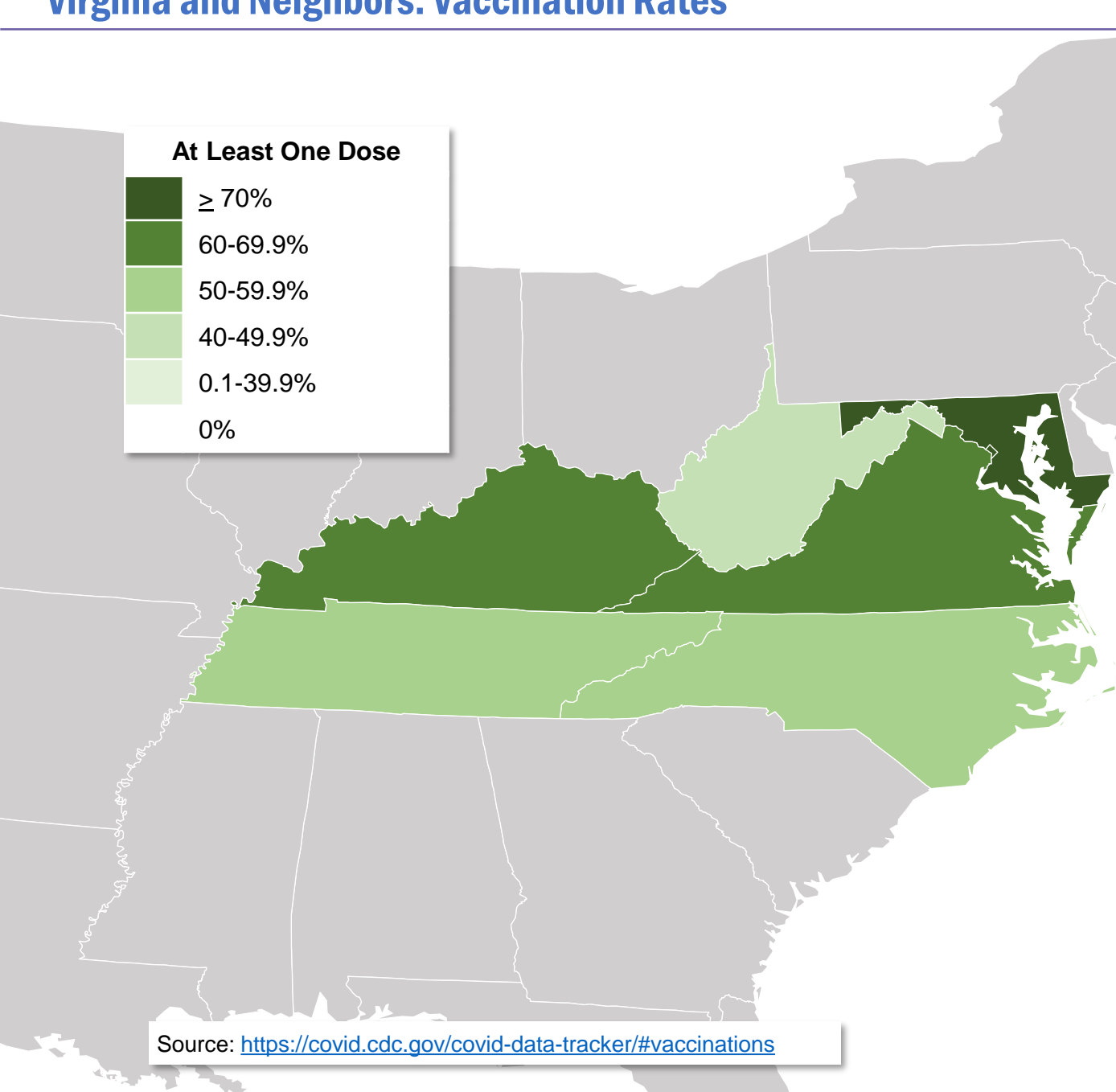
Booster shots are

- First Doses and Second Dose administrations continue to decline
- Following FDA Booster authorization, Booster/Third Dose administrations are seeing a sharp increase in uptake



Federal doses not included in this number

Source: [COVID-19 Vaccine Summary – Coronavirus \(virginia.gov\)](https://www.virginia.gov/covid-19/vaccine-summary)



	At Least One Dose*	Fully Vaccinated*
Nationwide	65.0% (+1.7%)	56.0% (+2.2%)
D.C.	71.4% (+2.4%)	60.5% (+2.0%)
Kentucky	61.2% (+2.3%)	52.9% (+3.3%)
Maryland	71.0% (+1.4%)	64.4% (+1.6%)
North Carolina	60.4% (+3.2%)	50.2% (+2.9%)
Tennessee	53.1% (+1.9%)	45.9% (+3.1%)
Virginia**	68.9% (+1.8%)	61.0% (+2.0%)
West Virginia	48.3% (+0.8%)	40.5% (+0.7%)

*Total population, includes out-of-state vaccinations
**Differs from previous slide because all vaccination sources (e.g., federal) are included
*** Green percent represents percent increase from two weeks prior